

1 Attorney Docket No. 83134

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3 DEVICE AND METHOD FOR PREVENTING  
4 SUPERHEATING OF LIQUIDS IN A MICROWAVE OVEN

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6 ABSTRACT OF THE DISCLOSURE

7 A safety device for reducing the likelihood of superheating  
8 a liquid includes a transducer disposed on a support surface  
9 proximate to a placed container containing a liquid. The  
10 transducer generates a vibrational force in the container and  
11 onto the liquid that creates nucleation within the liquid. The  
12 nucleation allows the liquid to boil, thus preventing the liquid  
13 from becoming superheated.